

AMENDMENTS TO THE CLAIMS:

Please cancel claims 10 and 11 without prejudice; amend claims 1, 3 and 13 and add new claims 34-40 as follows.

1. (Currently Amended) A graft comprising flow tubing having a tubing portion defining a flow lumen, the flow lumen of said tubing portion being substantially free of ribs or grooves, wherein the graft is set such that the centre line of the flow lumen follows a substantially helical path with a helix angle less than or equal to 45°, and ~~wherein~~ the amplitude of the helix is less than or equal to one half of the internal diameter of the tubing portion.

2. (Original) A graft as claimed in claim 1, wherein the amplitude of the helical centre line divided by the internal diameter of the tubing is at least 0.05.

3. (Currently Amended) A graft comprising flow tubing having a tubing portion defining a flow lumen, wherein the graft is set such that the centre line of the flow lumen follows a substantially helical path with a helix angle less than or equal to 45°, ~~wherein~~ the amplitude of the helical centre line is less than or equal to one half of the internal diameter of the tubing portion, and ~~wherein~~ the amplitude of the helical centre line ~~[[is]]~~ divided by the internal diameter of the tubing portion is at least 0.05.

4-7. (Cancelled)

8. (Previously Presented) A graft as claimed in claim 1, wherein the helix angle is less than or equal to 15°.

9. (Previously Presented) A graft as claimed in claim 1, wherein the flow lumen of the tubing portion is of substantially circular cross-section.

10-11. (Cancelled)

12. (Previously Presented) A graft as claimed in claim 1, wherein the centre line of the tubing portion follows a substantially helical path about an axis which is curved.

13. (Currently Amended) A graft as claimed in claim 1, further comprising a pharmaceutical coating.

14-27. (Cancelled)

28. (Previously Presented) A graft as claimed in claim 3 wherein the helix angle is less than or equal to 15°.

29. (Previously Presented) A graft as claimed in claim 3 wherein the flow lumen of the tubing portion is substantially circular in cross-section.

30. (Previously Presented) A graft as claimed in claim 3 wherein the centre line of the tubing portion follows a substantially helical path about an axis which is curved.

31. (Previously Presented) A graft as claimed in claim 3 further comprising a pharmaceutical coating.

32. (Previously Presented) A graft as claimed in claim 1 wherein the tubing portion comprises a tubular wall which resists reduction of the amplitude of the helical centre line.

33. (Previously Presented) A graft as claimed in claim 3 wherein the tubing portion comprises a tubular wall which resists reduction of the amplitude of the helical centre line.

34. (New) A graft as claimed in claim 1, wherein the graft is thermally set.

35. (New) A graft as claimed in claim 1, wherein the tubing portion has a wall comprising a helical winding to help maintain a circular cross-section of the flow lumen.

36. (New) A graft as claimed in claim 35, wherein the helix angle of the helical winding is larger than the helix angle of the helical centre line of the flow lumen.

37. (New) A graft comprising flow tubing having a tubing portion defining a flow lumen, the flow lumen of said tubing portion being substantially free of ribs or grooves, wherein the graft is set such that

the centerline of the flow lumen follows a substantially helical path with a helix angle less than or equal to 35°, and

the amplitude of the helix is less than or equal to one half of the internal diameter of the tubing portion.

38. (New) A graft as claimed in claim 37, wherein the graft is thermally set.
39. (New) A graft is claimed in claim 37, wherein the tubing portion has a wall comprising a helical winding to help maintain a circular cross-section of the flow lumen.
40. (New) A graft as claimed in claim 39, wherein the helix angle of the helical winding is larger than the helix angle of the helical centre line of the flow lumen.